

# Resume

## Fardin



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**Location:** WAPDA Colony, TPS Guddu at House No. E-114, Kashmore

### Professional Objective

To leverage my technical expertise and problem-solving skills in mechanical engineering to contribute to cutting-edge projects, drive operational efficiency, and foster sustainable innovations while continuously enhancing my professional knowledge and skills.

### Education

B.E Mechanical Engineering (Undergraduate)

Quaid-e-Awam University of Engineering, Science & Technology, Nawabshah

Expected Graduation Year: 2026

### Skills

- - Communication
- - Teamwork and Collaboration
- - Problem-Solving and Critical Thinking
- - Time Management and Organization
- - Interpersonal Skills
- - Leadership Quality
- - Project Management
- - Ethical and Professional Conduct

## Projects

- - Design and Fabrication of an Automated Tile Cutting Machine

Conceptualized and implemented an automated system for precise tile cutting. Designed mechanisms to ensure efficiency and minimize material wastage. Successfully completed under set budget and time constraints.

- - Development of a Spur Gear Model Using Additive Manufacturing

Designed a prototype spur gear using 3D modeling software. Utilized additive manufacturing techniques to fabricate the gear, optimizing material usage and ensuring high accuracy.

## Experiments

Experimental Investigation of Heat Transfer Enhancement Through Double Pipe Heat Exchanger Using Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>) Nano Fluid

- Conducted detailed investigations into the thermal performance enhancements achievable through nanofluids.
- Analyzed data to establish the impact of Al<sub>2</sub>O<sub>3</sub> nanoparticles on heat transfer rates and flow efficiency.

## Personal Attributes

- - Highly motivated and adaptable, eager to contribute and learn.
- - Strong ethical and professional conduct with a results-oriented mindset.
- - Effective team player with demonstrated leadership capabilities.